This document is a guide to resolving some common issues encountered when building springboot applications.

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| **Error messages/page** | **Issue** | **Possible Solutions** |
|  | Eclipse marketplace client out of date | In eclipse, go to **Help > Check for updates** and update all software  If the above does not work, reinstall with latest eclipse for Java developers. |
| HTML files are black in colour with red squiggly lines although they are saved with the .html extension. | Eclipse Web Developer tools not installed | Refer to **C372\_SpringBoot\_Setup\_Guide.pptx** to install the eclipse web dev tools. |
| Java code underlined in red | Missing libraries, syntax errors. | Check that the relevant libraries are imported.  Check if there are any syntax errors such as missing ; |
|  | The application is not running. | Go to the class with the **main** method (Usually named *<ProjectName>Application.java*) and run it. |
|  | Annotations not correctly set  Either the URL or mapping is incorrect, or the view name does not match the return value of the mapping.  Thymeleaf not installed | Check that the annotations are correctly set for the controller class.  Check that the URL is correct.  Check the mapping in the controller class.  Check the return value of the mapped method.  Check that the view template name is correct.  Check pom.xml to see if thymeleaf is included.  If not, include inside the <dependencies> tag:  **<dependency>**  **<groupId>org.springframework.boot</groupId>**  **<artifactId>spring-boot-starter-thymeleaf</artifactId>**  **</dependency>** |
|  | The application is unable to communicate with the database. | Check that the database is started. |
| No change to look and feel of page although Bootstrap classes applied | Bootstrap libraries may be missing  Bootstrap libraries path may be incorrect | Check that the bootstrap libraries are in the **src/main/resources/static** folder:    Check that the library paths are correct: |
| “java.sql.SQLException: The server time zone value 'Malay Peninsula Standard Time' is unrecognized or represents more than one time zone. You must configure either the server or JDBC driver (via the 'serverTimezone' configuration property) to use a more specific time zone value if you want to utilize time zone support.” | Time zone issue | In **application.properties** file, add *?serverTimezone=UTC* to the datasource |
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